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DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

<u>L19</u>	L17 AND ALKANE	0	<u>L19</u>
<u>L18</u>	L17 AND ALKANE AND OXYGEN	0	<u>L18</u>
<u>L17</u>	L16 AND OXIDA\$6	23	<u>L17</u>
<u>L16</u>	ETHYL ACETATE.TI.	870	<u>L16</u>
<u>L15</u>	ETHYL ACEATE.TI.	0	<u>L15</u>
<u>L14</u>	L12 AND CARBOXYLATE.TI.	5	<u>L14</u>
<u>L13</u>	L12 AND ACEATE.TI.	0	<u>L13</u>
<u>L12</u>	L1 SAME (ALKYL ACETATE OR ETHYL ACETATE)	75	<u>L12</u>
<u>L11</u>	L1 AND (ALKYL ACETATE OR ETHYL ACETATE)	494	<u>L11</u>
<u>L10</u>	L1 AND(ALKYL ACETATE OR ETHYL ACETATE)	494	<u>L10</u>
<u>L9</u>	L2 AND ALKYL ACETATE	0	<u>L9</u>
<u>L8</u>	L6 AND ALKYL ACETATE	0	<u>L8</u>
<u>L7</u>	L6 AND ETHYL ACETATE	0	<u>L7</u>
<u>L6</u>	5405996	4	<u>L6</u>
<u>L5</u>	L4 AND ACETATE	1	<u>L5</u>
<u>L4</u>	5405996.PN.	2	<u>L4</u>
<u>L3</u>	L1 SAME ALKENE SAME CARBOXYLIC ACID	9	<u>L3</u>
<u>L2</u>	L1 AND ALKENE AND CARBOXYLIC ACID	99	<u>L2</u>
<u>L1</u>	ALKYL CARBOXYLATE OR ALKENYL CARBOXYLATE	2303	<u>L1</u>

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☐ 1. Document ID: US 5770761 A

L17: Entry 1 of 23

File: USPT

Jun 23, 1998

US-PAT-NO: 5770761

DOCUMENT-IDENTIFIER: US 5770761 A

TITLE: Process for ethyl acetate production

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 2. Document ID: US 5334751 A

L17: Entry 2 of 23

File: USPT

Aug 2, 1994

US-PAT-NO: 5334751

DOCUMENT-IDENTIFIER: US 5334751 A

TITLE: Ethyl acetate from ethanol

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 3. Document ID: US 4720457 A

L17: Entry 3 of 23

File: USPT

Jan 19, 1988

US-PAT-NO: 4720457

DOCUMENT-IDENTIFIER: US 4720457 A

TITLE: Selective production of ethyl acetate and acetaldehyde by microorganisms

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 4. Document ID: US 4399305 A

L17: Entry 4 of 23

File: USPT

Aug 16, 1983

US-PAT-NO: 4399305

DOCUMENT-IDENTIFIER: US 4399305 A

TITLE: Production of ethylene by the pyrolysis of ethyl acetate

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 5. Document ID: FR 2791129 A1

L17: Entry 5 of 23

File: EPAB

Sep 22, 2000

PUB-NO: FR002791129A1

DOCUMENT-IDENTIFIER: FR 2791129 A1

TITLE: Polish for protecting the exterior of weapons against rust and oxidation
contains specified surfactant, specified film-former, toluene and ethyl acetate

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 6. Document ID: FR 2791129 A1

L17: Entry 6 of 23

File: DWPI

Sep 22, 2000

DERWENT-ACC-NO: 2000-573967

DERWENT-WEEK: 200142

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TITLE: Polish for protecting the exterior of weapons against rust and oxidation
contains specified surfactant, specified film-former, toluene and ethyl acetate

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 7. Document ID: JP 2002526520 W EP 990638 A1 WO 200020375 A1 AU 9961073 A GB 2357504 A BR 9914249 A EP 1117631 A1 ZA 200102079 A KR 2001075480 A

L17: Entry 7 of 23

File: DWPI

Aug 20, 2002

DERWENT-ACC-NO: 2000-258929

DERWENT-WEEK: 200258

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TITLE: Ethyl acetate production comprises subjecting ethanol to e.g. dehydrogenation, oxidation or reaction with acetaldehyde and selective hydrogenation of the reaction mixture before product distillation

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 8. Document ID: KR 325022 B WO 9821173 A1 US 5770761 A AU 9749386 A EP 937029 A1 JP 2000507615 W KR 2000053174 A TW 411330 A EP 937029 B1 DE 69711416 E BR 9712940 A JP 3301542 B2

L17: Entry 8 of 23

File: DWPI

Feb 20, 2002

DERWENT-ACC-NO: 1998-297816

DERWENT-WEEK: 200257

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TITLE: Production of ethyl acetate used as solvent - comprises oxidation of ethanol by contacting excess ethanol with oxygen and metallic oxidation catalyst, and reacting acetic acid produced with ethanol

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Clip Img	Image
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☐ 9. Document ID: RU 2083486 C1

L17: Entry 9 of 23

File: DWPI

Jul 10, 1997

DERWENT-ACC-NO: 1998-099449

DERWENT-WEEK: 199809

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TITLE: Removal of acetic acid from hydrogen peroxide solution - by extraction with ethyl acetate containing peroxide

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMOC	Draw Desc	Image
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☐ 10. Document ID: RU 2056429 C1

L17: Entry 10 of 23

File: DWPI

Mar 20, 1996

DERWENT-ACC-NO: 1996-504493

DERWENT-WEEK: 199650

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TITLE: Synthesis of Estr-4-ene-3, 17-dione for use in mfr. of norethisterone oral contraceptives - by two-phase oxidn. of 17 beta-hydroxy-estr-4-en-3-one using Jones' reagent in ethyl acetate.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMOC	Draw Desc	Image
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☐ 11. Document ID: JP 04253938 A JP 2509097 B2

L17: Entry 11 of 23

File: DWPI

Sep 9, 1992

DERWENT-ACC-NO: 1992-352753

DERWENT-WEEK: 199718

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TITLE: Sepn. and purificn. of di:methyl:bi:phenyl di:carboxylic acid di:alkyl ester(s) from isomer mixt. of dimers - using at least one of toluene, ethyl acetate, chlorobenzene, acetone acetonitrile and xylene as selective crystallisation solvent

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 12. Document ID: BR 9105300 A JP 04300851 A

L17: Entry 12 of 23

File: DWPI

Aug 18, 1992

DERWENT-ACC-NO: 1992-308284

DERWENT-WEEK: 199238

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TITLE: Ethyl acetate prodn. - by oxidn. of ethanol@ on catalyst of palladium titanium phosphate complex and titanium pyrophosphate

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 13. Document ID: BR 9104562 A

L17: Entry 13 of 23

File: DWPI

Jun 16, 1992

DERWENT-ACC-NO: 1992-250494

DERWENT-WEEK: 199231

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TITLE: Pre-treatment of palladium@ catalyst - for ethyl acetate prodn. by, direct oxidn. of ethanol with air

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 14. Document ID: RD 338030 A

L17: Entry 14 of 23

File: DWPI

Jun 10, 1992

DERWENT-ACC-NO: 1992-224232

DERWENT-WEEK: 199227

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TITLE: Acetic acid and ethylene@ co-prodn. - by ethane or ethylene oxidn. followed by oxidn. of carbon mon:oxide in prod. mixt., useful in ethyl acetate and vinyl acetate prodn.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 15. Document ID: SE 9003199 A

L17: Entry 15 of 23

File: DWPI

Apr 6, 1992

DERWENT-ACC-NO: 1992-413217

DERWENT-WEEK: 199817

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TITLE: Dental root filling sealer - has adhesive and gutta-percha softening effect using ethyl acetate and d-limonene

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 16. Document ID: DD 282816 A

L17: Entry 16 of 23

File: DWPI

Sep 26, 1990

DERWENT-ACC-NO: 1991-058564

DERWENT-WEEK: 199109

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TITLE: Prodn. of 6-methoxy-tetralone from 6-methoxy-tetralin - by oxidn. with chromium-VI cpds. in presence of chromic sulphate and ethyl acetate and prod. extn. with di:bromomethane-chloro:bromomethane

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 17. Document ID: DD 238166 A

L17: Entry 17 of 23

File: DWPI

Aug 13, 1986

DERWENT-ACC-NO: 1986-326034

DERWENT-WEEK: 198650

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TITLE: Refining montan wax by initial extn. with ethyl acetate - followed by nitric acid pre-oxidn. and then chromic acid refining, giving raffinate which is more effective in lubricant greases

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 18. Document ID: JP 57031639 A

L17: Entry 18 of 23

File: DWPI

Feb 20, 1982

DERWENT-ACC-NO: 1982-64211E

DERWENT-WEEK: 198231

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TITLE: 2(4-Isobutylphenyl)-butyric acid prepn. - by reacting 4-isobutyl propiophenone with alpha-chloro ethyl acetate and sodium ethoxide, and oxidising prod. with chromic anhydride

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KMCM Draw Desc Image

☐ 19. Document ID: SU 785293 B

L17: Entry 19 of 23

File: DWPI

Dec 7, 1980

DERWENT-ACC-NO: 1981-61819D
DERWENT-WEEK: 198134
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TITLE: Di:phenyl-tetra:aldehyde monomer and intermediate prepn. - from pyrene by oxidn. with ozone in ethyl acetate and using ammonium salt of weak acid soln. for sepn. stage

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KMCM Draw Desc Image

☐ 20. Document ID: RO 73914 A

L17: Entry 20 of 23

File: DWPI

May 30, 1980

DERWENT-ACC-NO: 1981-003523
DERWENT-WEEK: 198113
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TITLE: Purificn. of progesterone prepd. by pregnenolone oxidn. - by dissolving in ethyl acetate, carbon purification, low temp. crystallisation, and re-dissolving in methanol

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KMCM Draw Desc Image

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L17: Entry 21 of 23

File: DWPI

Aug 5, 1975

DERWENT-ACC-NO: 1975-58098W

DERWENT-WEEK: 197535

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TITLE: Peracetic acid mfr - by oxidn of acetaldehyde in ethyl acetate at elevated temp

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMOC	Draw Desc	Image
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☐ 22. Document ID: SU 250121 A

L17: Entry 22 of 23

File: DWPI

DERWENT-ACC-NO: 1970-37442R

DERWENT-WEEK: 197021

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TITLE: Separation of methyl ethyl ketone(1) and ethyl acetate

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMOC	Draw Desc	Image
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☐ 23. Document ID: US 3458406 A DE 1618240 B GB 1167636 A JP 75028414 B

L17: Entry 23 of 23

File: DWPI

DERWENT-ACC-NO: 1968-32140Q

DERWENT-WEEK: 196800

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TITLE: Removal of methyl acetate and ethyl acetate from vinyl

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMOC	Draw Desc	Image
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<u>L3</u>	L1 SAME ALKENE SAME CARBOXYLIC ACID	9	<u>L3</u>
<u>L2</u>	L1 AND ALKENE AND CARBOXYLIC ACID	99	<u>L2</u>
<u>L1</u>	ALKYL CARBOXYLATE OR ALKENYL CARBOXYLATE	2303	<u>L1</u>

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Search Results - Record(s) 1 through 9 of 9 returned.

☐ 1. Document ID: US 20020099239 A1

L3: Entry 1 of 9

File: PGPB

Jul 25, 2002

PGPUB-DOCUMENT-NUMBER: 20020099239

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020099239 A1

TITLE: Oxidation process for the production of alkenes and carboxylic acids

PUBLICATION-DATE: July 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ellis, Brian	Lower Sunbury		GB	
Roberts, Mark Stephen	Beverley		GB	

US-CL-CURRENT: 560/241.1; 562/549

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 2. Document ID: US 20020082445 A1

L3: Entry 2 of 9

File: PGPB

Jun 27, 2002

PGPUB-DOCUMENT-NUMBER: 20020082445

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020082445 A1

TITLE: Oxidation process for the production of alkenes and carboxylic acids

PUBLICATION-DATE: June 27, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ellis, Brian	Lower Sunbury		GB	
Lucy, Andrew Richard	Brough		GB	
Roberts, Mark Stephen	Beverley		GB	

US-CL-CURRENT: 560/241.1; 562/542

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 3. Document ID: US 20010020077 A1

L3: Entry 3 of 9

File: PGPB

Sep 6, 2001

PGPUB-DOCUMENT-NUMBER: 20010020077

PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010020077 A1

TITLE: Novel fluorocopolymers for the hydrophobic and oleophobic treatment of various substrates

PUBLICATION-DATE: September 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Juhue, Didier	Vernon		FR	
Pabon, Martial	Courbevoie		FR	
Tembou N'Zudie, Denis	Serquigny		FR	
Corpart, Jean-Marc	Sannois		FR	
Lina, Marie-Jose	Lyon		FR	

US-CL-CURRENT: 526/243; 526/242, 526/245, 526/317.1, 526/319, 526/330

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw Desc	Image
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☐ 4. Document ID: US 6548697 B1

L3: Entry 4 of 9

File: USPT

Apr 15, 2003

US-PAT-NO: 6548697

DOCUMENT-IDENTIFIER: US 6548697 B1

TITLE: Oxidation process for the production of alkenes and carboxylic acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw Desc	Image
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☐ 5. Document ID: US 6476261 B2

L3: Entry 5 of 9

File: USPT

Nov 5, 2002

US-PAT-NO: 6476261

DOCUMENT-IDENTIFIER: US 6476261 B2

TITLE: Oxidation process for the production of alkenes and carboxylic acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw Desc	Image
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☐ 6. Document ID: US 6106675 A

L3: Entry 6 of 9

File: USPT

Aug 22, 2000

US-PAT-NO: 6106675

DOCUMENT-IDENTIFIER: US 6106675 A

TITLE: Method of microwave bond cleavage of a hydrocarbon compound in a liquid phase

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw Desc	Image
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☐ 7. Document ID: US 4044050 A

L3: Entry 7 of 9

File: USPT

Aug 23, 1977

US-PAT-NO: 4044050

DOCUMENT-IDENTIFIER: US 4044050 A

TITLE: Isomerization of propenyl esters

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 8. Document ID: US 6476261 B2 EP 1201631 A2 BR 200104821 A CN 1350998 A JP 2002179599 A NO 200105218 A US 20020099239 A1 KR 2002032402 A

L3: Entry 8 of 9

File: DWPI

Nov 5, 2002

DERWENT-ACC-NO: 2002-559702

DERWENT-WEEK: 200276

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TITLE: Oxidation of alkane used in production of alkenyl carboxylates and esters, involves controlling relative proportions of catalysts in oxidation reaction zone

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Clip Img	Image
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☐ 9. Document ID: KR 2002032401 A EP 1201630 A2 BR 200104822 A CN 1350999 A JP 2002179598 A NO 200105220 A US 20020082445 A1

L3: Entry 9 of 9

File: DWPI

May 3, 2002

DERWENT-ACC-NO: 2002-559701

DERWENT-WEEK: 200270

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TITLE: Oxidation of alkane used in production of alkenyl carboxylates and esters, involves controlling concentrations of alkene and optional water in oxidation reaction zone

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Clip Img	Image
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